

#### ABSTRACT OF THE DISCLOSURE

Mapping conversion to absorb differences of shapes of color reproduction gamuts and also preserve gradation is provided. In this image processing method, a color signal located within a first color reproduction gamut represented by a first color system is subjected to mapping conversion into a color signal located within  
5 a second color reproduction gamut represented by the first color system, where a locus of a change of color in the first color reproduction gamut is represented by a curve, mapping is performed to the curve, and the mapping conversion is performed on the basis of relation of the curves before and after the mapping.